# PATENT COOPERATION TREATY

**PCT** 





# INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220				
H0005045-4015	ACTION <sup>6</sup>	is well as, where applicable, item 5 below.				
International application No.	International filing date (day/month/yea	(Earliest) Priority Date (day/month/year)				
PCT/US2004/017906	04/06/2004	06/06/2003				
Applicant						
HONEYWELL INTERNATIONAL IN	ıc.	,				
This International Search Report has beer according to Article 18. A copy is being tra		g Authority and is transmitted to the applicant				
This International Search Report consists	of a total of sheets.					
X It is also accompanied by	a copy of each prior art document cited i	n this report.				
	international search was carried out on the search was carried out of the search was carried out	ne basis of the international application in the				
The international this Authority (Rul		translation of the international application furnished to				
b. With regard to any nucleo	otide and/or amino acid sequence disc	losed in the international application, see Box No. I.				
2. Certain claims were four	nd unsearchable (See Box II).					
3. Unity of invention is lack	king (see Box III).					
4. With regard to the title,						
the text is approved as su	bmitted by the applicant.					
The text has been established by this Authority to read as follows:						
THERMAL INTERCONNECT S	YSTEM AND METHOD OF PROD	UCTION THEREOF				
5. With regard to the abstract,						
X the text is approved as sul	omitted by the applicant.					
the text has been establish may, within one month from	ned, according to Rule 38.2(b), by this Aum the date of malling of this international	uthority as it appears in Box No. IV. The applicant search report, submit comments to this Authority.				
6. With regards to the drawings,						
= -	ublished with the abstract is Figure No					
as suggested by ti						
as selected by this	Authority, because the applicant falled t	to suggest a figure.				
as selected by this	Authority, because this figure better cha	aracterizes the invention.				
b. none of the figures is to be	published with the abstract.					

According to International Patent Classification (IPC) or to both national classification and IPC

### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

### EPO-Internal

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
Х	US 6 504 242 B1 (DAYTON KRISTOPHER E ET AL) 7 January 2003 (2003-01-07) cited in the application	1-6,10, 19-24,28
Y	the whole document	18,36
X	US 5 981 085 A (HIDENO AKIRA ET AL) 9 November 1999 (1999-11-09)	1-3,5-9, 19-21, 23-27
	column 5, line 41 - column 7, line 12; figure 1	
X	US 2003/047814 A1 (KWON HEUNG KYU) 13 March 2003 (2003-03-13)	1-6, 10-17, 19-24, 28-35
	paragraphs '0023! - '0030!; figure 2	
	-/	

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents:  A' document defining the general state of the art which is not considered to be of particular relevance  E' earlier document but published on or after the International filling date  L' document which may throw doubts on priority ctaim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  O' document referring to an oral disclosure, use, exhibition or other means  P' document published prior to the international filing date but later than the priority date claimed	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>"&amp;" document member of the same patent family</li> </ul>
Date of the actual completion of the international search  8 December 2004	Date of mailing of the international search report  16/12/2004
Name and mailing address of the ISA  European Palent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  Le Gallo, T

### INTERNATIONAL SEARCH REPORT

International Application No Partius 2004/017906

C.(Continu	ation) DOCUMENTS CORRESPONDED TO BE RELEVANT	
Category °		Relevant to claim No.
X	US 6 274 407 B1 (JAIRAZBHOY VIVEK AMIR ET AL) 14 August 2001 (2001-08-14)	1-4, 10-14, 19-22, 28-32
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X	US 2002/175403 A1 (LEWIS BRIAN ET AL) 28 November 2002 (2002-11-28) the whole document	1,19
Y	US 2 439 935 A (BIERLY NEVIN R ET AL) 20 April 1948 (1948-04-20) the whole document	18,36
A	US 5 223 741 A (BECHTEL RICHARD L ET AL) 29 June 1993 (1993-06-29) column 3, line 46 - column 4, line 63; figure 2a	18,36
A	US 5 635 764 A (FUJIKAWA HISAYOSHI ET AL) 3 June 1997 (1997-06-03) column 12, line 35 - column 14, line 6; figure 5	15-17, 33-35

## INTERNATIONAL SEARCH REPORT

Information on patent family members

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	atent document d in search report		Publication date		Patent family member(s)		Publication date
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